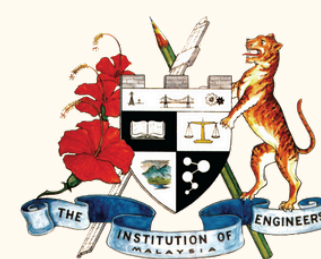




Organized by:
Information & Communications Technology
Special Interest Group (ICTSIG), IEM



IEM
The Institution of Engineers, Malaysia

Physical Half Day Workshop on “Ladybug Robotics”

Beginner Friendly
and flexible for
advance user

A Robotics Kit Designed and
Made in Malaysia,
especially for Malaysian

Limit to Physical
50 Seat only

SPEAKER BY:
Ir. HOR KOK LUEN
&
Mr. LIM ZHI HAO

DETAILS



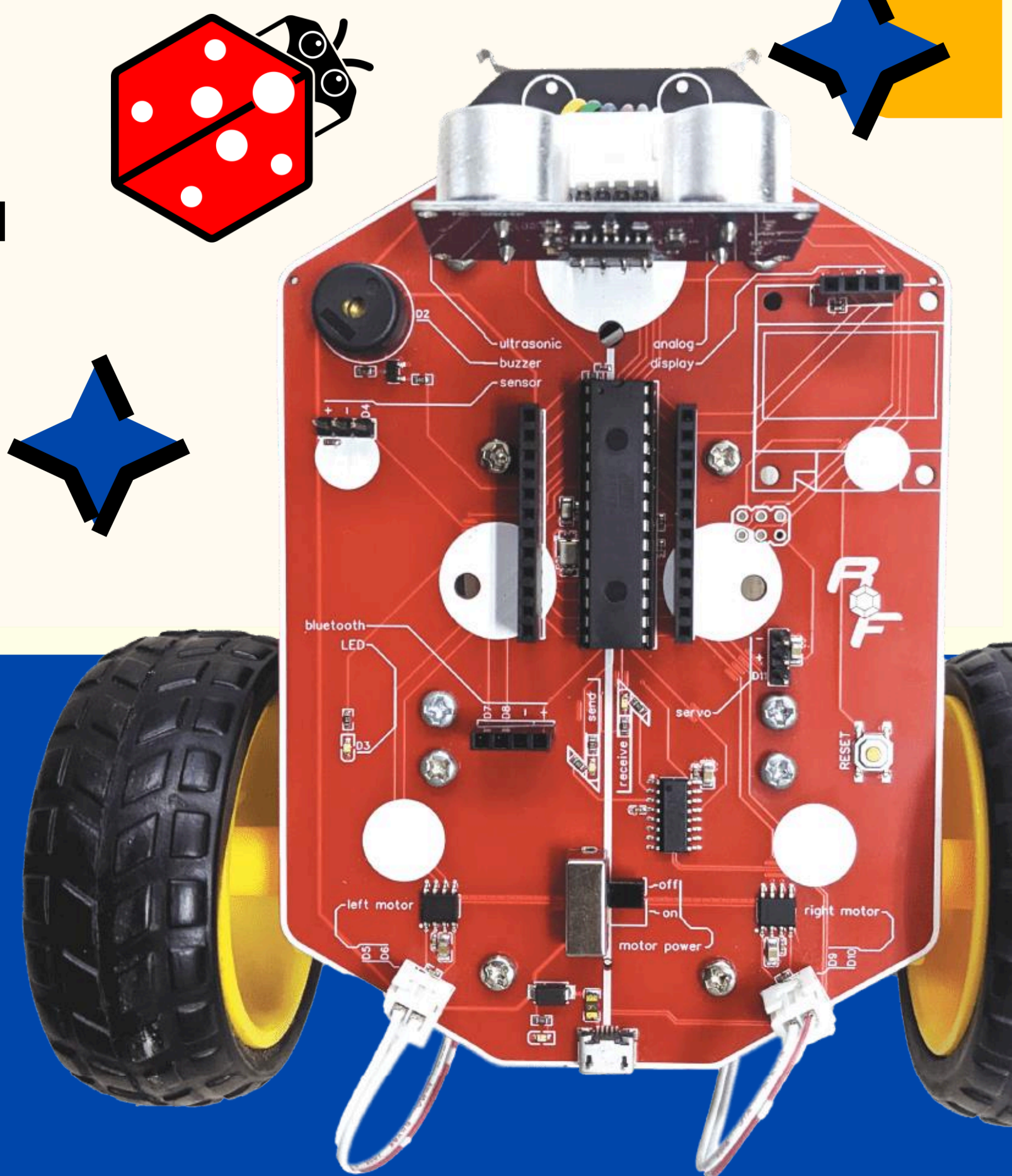
18th Sept 2025,
(Thursday)



9am - 1pm



Auditorium Malakoff,
Wisma IEM,PJ



REGISTRATION FEES
(TO INCLUDE 8% SST)

IEM STUDENT MEMBER: RM50

IEM GRADUATE MEMBER: 100

IEM MEMBER: 200

NON-IEM MEMBER: RM400

BEM APPROVED CPD HOURS: 3 REF: IEM24/HQ/028/W

ORGANISED BY: INFORMATION & COMMUNICATIONS
TECHNOLOGY SPECIAL INTEREST GROUP (ICTSIG), IEM

POWERED BY:



roboforce.com.my

SYNOPSIS

PROGRAMME

9:00am: Introduction

9:15am: Using the Lady bug robot, adaptable to Arduino. Enhance the teaching tool

10:15am: Tea Break

10:30am: Adaptable to Arduino. Empowering students with our project-based learning skill workshop.

12:30pm: Q & A Session

1:00pm: End of Session

LADY BUG ROBOT WORKSHOP- EMPOWER STEM EDUCATION. GAIN HANDS-ON EXPERTISE USING THE LADY BUG ROBOT, ADAPTABLE TO ARDUINO. ENHANCE THE TEACHING TOOL KIT FOR TEACHERS/ TRAINERS AND INSPIRE STUDENTS INNOVATIVE WAYS. EMPOWERING STUDENTS WITH OUR PROJECT-BASED LEARNING SKILL WORKSHOP. DIVE INTO HANDS-ON LEARNING USING THE LADY BUG ROBOT.

EXPLORE NEW AVENUES OF CREATIVITY AND PROBLEM SOLVING IN A SUPPORTIVE ENVIRONMENT.

1ST SPEAKER PROFILE: IR. HOR KOK LUEN



Ir. Hor Kok Luen (P.Eng, PEPC, MIEM, First Grade Competent Steam Engineer, ASEAN Engineer, APEC Engineer, International Professional Engineer) graduated from University of Science Malaysia (USM) in 2001. He is holding the Bachelor of Degree (Hons.) in Mechanical Engineering.

He has more than 20 years of working experience in the palm oil mill & related downstream industries, inclusive of biogas power plant and biomass plant. He has vast experience in palm oil mill design, mill upgrading and mill troubleshooting as well as palm oil waste handling & management.

As holding the qualification as Competent First Grade Steam Engineer (JKKP, Malaysia), currently he is performing his profession in palm oil and related industries, which aggressively embark involving in palm oil mill processing, Aviation fuel, ESG Program, long fibre plant, short fibre plant, organic waste water treatment plant design & management, biomass power plant, biogas capturing plant, CHP plant and of course green energy generation for grid connection (Feed in tariff) besides islanded unit for in-house consumption. The speaker is a corporate member of The Institutions of Engineers Malaysia (IEM) in Mechanical Discipline. He is also a Registered Professional Engineer with Practicing Certificate (PEPC) with the Board of Engineers Malaysia (BEM). He is a qualified ASEAN Engineer (AE), APEC Engineer and International Professional Engineer MY_E_00573. Currently he is the committee members of Information, Communication & Technology Special Interest Group (ICTSIG) The Institutions of Engineers Malaysia, IEM.

2ND SPEAKER PROFILE: MR. LIM ZHI HAO

Founded RoboForce PLT with dedicated partners. Our venture focuses on fostering STEM education for children through robotics training. Additionally, we offer a spectrum of engineering services, spanning embedded system development, mechanical design and 3D printing. Beyond that, our commitment extends to supporting universities in their R&D endeavours. This multifaceted approach reflects our dedication to both educational enrichment and technological innovation. On top of that, I am also a certified HRDF Trainer, mainly serving as a team-building trainer, I am also a coordinator and robotic ad-hoc trainer for university inbound exchange programmes, the involved universities are from various countries such as Thailand, Philippines, India and Japan.

